



Memorandum

To: Chief Academic Officers and Provosts
From: Dr. Paula Compton, Associate Vice Chancellor: Ohio Articulation and Transfer Network
Date: March 22, 2019
Subject: Career-Technical Assurance Guide (CTAG): Engineering Technology

Below you will find a link to a survey on an alignment for a proposed CTAG in Engineering Technology. Included in this CTAG are two CTANs:

1. Introduction to Engineering (TAG course OES 001)
2. Engineering Graphics

These CTANs are a part of the Engineering and Science Technology and Manufacturing Technology Pathway. This survey requests that the respondent review each endorsed learning outcome and the subsequent Ohio Department of Education (ODE) aligned content standards. Endorsement of this CTAN assures that each of the learning outcomes aligns with the ODE content within the course instruction.

Please forward this memo and survey link to the faculty member on your campus most familiar with the content and subject matter in Engineering Technology. When completing the survey, this person should not speak for himself or herself, but for the institution.

Proposal for Engineering Technology CTANs

Lead faculty members and a faculty panel proposed statewide learning outcomes for the new Engineering Graphics course. In addition, these subject matter experts aligned the TAG learning outcomes in Introduction to Engineering with the Ohio Department of Education Career Field Content Standards. These content competencies set the curricular standard for Secondary Career-Technical Education. The Engineering Technology lead expert has determined that the alignments are sufficient. Ohio Department of Higher Education now seeks endorsement for the alignments. Endorsement suggests that the content is equivalent, and that this CTAG will move forward to formalization for the award of post-secondary credit to secondary students who complete appropriate secondary courses and examinations.

Understanding the Alignment Document

In the survey alignment document, each learning outcome is in the left column and the competencies on the right column next to each outcome.

The ODE Career Field Technical Content Standards are developed through a multi-step process of business “futuring” panels that looked for upcoming industry trends, as well as industry and educator validation. These standards represent the essential knowledge and skills that each student must learn within a CTAN.

This survey is requesting the endorsement of the CTAG alignment to the updated Engineering and Sciences, and Manufacturing Technology Career Field Technical Content Standards from the Ohio Department of Education (ODE). If institutions responding to the survey endorse the creation of this CTAG, the Ohio Department of Higher Education (ODHE) will announce the establishment of CTANs in Introduction to Engineering and Engineering Graphics and invite colleges, universities, and secondary career-technical programs to request approval for their courses.

For a secondary student to receive credit through a CTAG agreement, he/she must:

1. Complete the approved secondary career-technical course,
2. Demonstrate knowledge through the approved end-of-program assessment, and
3. Matriculate at an Ohio public higher education institution within the specified period.

What we need from you:

If available, please arrange to have the survey completed as soon as possible **but no later than April 12, 2019.**

The survey asks faculty members if they agree with the alignment of the endorsed postsecondary learning outcomes and the updated Career Field Technical Content Standards from the Ohio Department of Education (ODE). You will find attached a PDF version of the web-based survey for Engineering Technology to review before completing the online survey.

Please do not use the PDF version to respond to the survey.

Thanks in advance for your assistance. If you have any questions, feel free to contact Anne Skuce at 614-6446839 or by email: askuce@highered.ohio.gov.